

VHF/UHF Mobile Transceivers



Amateur Equipment

Digital

System Fusion

FTM-400DR/XDR

FTM-100DR

FTM-3100R

NEW! FTM-3200DRUse the left and right arrows to scroll through all models. [General VHF/UHF Mobile Transceivers](#)**FTM-3100R**

Description

Files

**SUMMARY****FTM-3100R****Analog FM Single Band
2-Meter TRANSCEIVER**

The new FTM-3100R is a ruggedly built yet compact VHF-FM mobile transceiver, providing high output power to 65 Watts to ensure stable long-distance communications. One of the distinguishing features of this exc mobile transceiver is the Front Panel Speaker delivering 3 Watts of loud and crystal clear audio; designed for free and enjoyable communications - even in noisy environments.

This new mobile is equipped with a heavy-duty heat sink that includes an extraordinary FACC; Funnel Air-Conductor (Wind Tunnel). The FACC gathers cool air through a wide open front air-intake and concentrate flow to the critical final amplifier area drawn by a rear cooling fan.

FEATURES**Powerful and Rugged 65 Watt Transmitter**

Enjoy 65 Watts of 2-Meter RF Output to ensure long distance communication even in the toughest of situation
Type: F3E Variable Reactance Modulation.

3 watts of crystal clear front panel audio

In any environment enjoy loud and crystal clear audio with 3 Watts of audio from the FTM-3200R's front mount speaker. 8 Watt output using Optional External Speaker (MLS-200-M10)

FACC - Funnel Air-Convection Conductor (Wind Tunnel).

Cool air is drawn through a wide open front air intake and is then concentrated over critical areas of the Power Amplifier (PA) section of the FTM-3100R.

Frequency Range

Transmit: 144 - 148 MHz
Receive: 136 - 174 MHz

Dimensions

Size: 6.1" x 1.7" x 6.1" (154 x 43 x 155 mm)
Weight: 2.86lb (1.3kg)

Other Useful Features

- 220 Alpha-Numeric Memory Channels
- CTCSS and DCS Encode/Decode
- Extended Receive 136-174 MHz.
- High Stability TCXO ± 2.5 ppm
- Severe Weather Alert

Supplied Accessories

- DTMF Microphone MH-48A6JA
- USB Cable
- Mounting Bracket
- DC Power Cord w/Fuse
- Operating Manual
- Safety Guide
- Warranty Card

Specifications

Circuit Type: Double Conversion Superheterodyne
IF: 1st 47.25 MHz, 2nd 450 kHz
Sensitivity (12dB SINAD): 0.20uV (HAM Wide), 0.22uV (HAM Narrow)
Selectivity (-6/-60dB): 12 kHz/28 kHz
Maximum AF Output: 3W @ 13.8V, 10% THD
Output Power: 65/30/5 W
Maximum Deviation: +5 kHz (Wide), +2.5 kHz (Narrow)
Spurious Radiation: Better than -60 dB
Microphone Impedance: 2k Ohms
Antenna Impedance: 50 Ohms
Operating Temperature Range: -4 Degree's (F) to +140 Degree's (F)

